

CAPITAL IMPROVEMENTS PROGRAM FY 2004

PROJECT TITLE:	Second Street Force Main	PROJECT NUMBER:	705
LOCATION:	From 2 nd Street Pumping Station to Bembe Beach Road in the vicinity of Awald Road	Prior Years' Spending/ Encumbrances as of 3/31/03	\$0
DEPARTMENT:	Public Works	Prior Years' Budget	\$0
DIVISION:	Wastewater	Unspent as of 3/31/03	

DESCRIPTION:

Replacement of the 65-year-old sewage force main running under Back Creek from the 2nd Street Pumping Station to its discharge point into the gravity sewer on Bembe Beach Road.

JUSTIFICATION:

This replacement is critical in order to prevent a possible environmental incident in which 4,500,000 gallons of raw sewage could be discharged into the Chesapeake Bay each day if the old pipe line were to fail.

STATUS:

A design study has been completed, with the determination that there is no immediate need for replacement. Concept plans are complete and on file in the event of an emergency.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Land \$								0
Design						60,000		60,000
Construction						875,000		875,000
Inspection						88,000		88,000
Contingency						85,000		85,000
Inflation						35,000		35,000
Overhead						70,000		70,000
Total \$	0	0	0	0	0	1,213,000	0	1,213,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Bond Funds \$								0
State Grants								0
Operating Funds						1,213,000		1,213,000
Total \$	0	0	0	0	0	1,213,000	0	1,213,000

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: Some savings in the annual electrical expenses for the 2nd Street Pumping Station will occur due to the reduced pumping head of the new pipe.

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PROJECT TITLE:	Sewer Pump Station Replacement	PROJECT NUMBER:	706
LOCATION:	Whiten Court, Bywater Road, and Annapolis Roads Pumping Stations	Prior Years' Spending/Encumbrances as of 3/31/03	\$0
DEPARTMENT:	Public Works	Prior Years' Budget	\$0
DIVISION:	Wastewater	Unspent as of 3/31/03	

DESCRIPTION:

Total replacement of existing sewage pumping stations with new concrete wet wells and submersible pumps, controlled by variable speed drives.

JUSTIFICATION:

All three stations are pre-fabricate "Tin Can" pumping stations that consist of an underground steel shell containing the pumps and controls to pump the wastewater collected from the neighborhood to the wastewater treatment plant on Edgewood Road. These stations are in excess of 30 years old and the steel containment vessel is at the end of it's design life.

STATUS:

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Land \$								0
Design		35,000	35,000	36,000				106,000
Construction		350,000	350,000	360,000				1,060,000
Inspection		20,000	20,000	20,000				60,000
Equipment								0
Contingency		20,000	20,000	20,000				60,000
Inflation								0
Overhead		22,000	22,000	22,000				66,000
Total \$	0	447,000	447,000	458,000	0	0	0	1,352,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Bond Funds \$								0
Grants								0
Operating Funds		447,000	447,000	458,000				1,352,000
Total \$	0	447,000	447,000	458,000	0	0	0	1,352,000

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: Small reduction in operating and maintenance cost associated with more modern and efficient equipment.

CAPITAL IMPROVEMENTS PROGRAM FY 2004

PROJECT TITLE:	General Sewer Rehabilitation	PROJECT NUMBER:	998
LOCATION:	City Wide	Prior Years' Spending/ Encumbrances as of 3/31/03	\$23,310
DEPARTMENT:	Public Works	Prior Years' Budget	\$380,730
DIVISION:	Wastewater	Unspent as of 3/31/03	

DESCRIPTION:

A major section of the City's sewer system was constructed in the 1930's and the larger pipe lines were constructed of concrete pipe. Over the past sixty-plus years, the concrete pipe has been deteriorated by the sewer gases and we recently had a 33" sewer line collapse. Due to location and development over and around these sewer lines, slip lining of the existing sewer is the most cost effective repair.

JUSTIFICATION:

TV inspection of approximately 9,000 feet of the suspect concrete pipe has shown varying degrees of pipe failure.

STATUS:

Current funding will be used for small section rehabilitations until next phase of slip lining in FY05.

APPROPRIATION SCHEDULE		PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Land	\$								0
Design		50,000		30,000		30,000			110,000
Construction		354,040		3,200,000		876,930			4,430,970
Inspection				50,000		50,000			100,000
Contingency				130,000		8,070			138,070
Inflation				20,000		20,000			40,000
Overhead				75,000		50,000			125,000
Total	\$	404,040	0	3,505,000	0	1,035,000	0	0	4,944,040

FUNDING SCHEDULE		PRIOR YEARS	CURRENT FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	TOTAL
Bond Funds	\$			3,505,000					3,505,000
State Grants									0
Operating Funds		404,040				1,035,000			1,439,040
Total	\$	404,040	0	3,505,000	0	1,035,000	0	0	4,944,040

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: When completed, a reduction of inflow and infiltration should be noted and reflect in a reduction of flow at the WWTP.